

# Job Start-up and Checklist

## Construction

1. Level pad is for leveling first course of panels and has no structural value. Leveling pad should be formed in order to secure proper grades.
2. Do not use crowbars on front face of panels. Damage to panel face will occur. Usage of crow bar on back of panel is permissible which helps alignment.
3. Specifications:

Vertical Alignment	$\frac{1}{2}$ " in 10'
Horizontal Alignment	$\frac{3}{4}$ " in 10'
4. Clamps and wedges must be tight to maintain alignment.
5. The first backfill lift can be placed and compacted before the first course of panels. Slope backfill away from leveling pad and provide sufficient space for panel installation.
6. Do not install the next course of panels until the backfill is within a few inches of the top of the panel in place and clamps can be removed. No "double" stacking of panels is allowed. Double stacking creates problems.
7. Batter used during construction if flexible and should be adjusted accordingly. (Continually monitor batter throughout construction of wall.)
8. All horizontal joints will have bearing blok pads including panels, bent panels, corner elements, and slip joint covers. No pads are required beneath the first course panels.
9. Verify general notes and details on construction plans.

## Concrete Panels

1. If a panel is damaged, please write panel's type, lot number and condition of panel on Bill of Lading. Notify Reinforced Earth Company representative.

All panels are delivered F.O.B. jobsite with two hours of free unloading time per truck. The contractor must check the condition of the panels at this time. Any panels damaged and not recorded on the Bill of Lading at the time of delivery are the responsibility of the contractor. Replacement panels will be charged to the contractor.

2. Minor chips on panels can be patched by the contractor. Reject any panels with exposed rebar, structural cracks, or chips too large to be patched. Notify the project manager assigned to your project.
3. Notify project manager assigned to your project if any questions arise on panel labeling.
4. No extra panels are provided. Make sure construction plans are followed carefully. The contractor will be responsible for replacement and transportation expense for any extra panels required because of damage, loss or any other reason.
5. All wooden dunnage is the property of The Reinforced Earth Company and must be returned to the precaster.
6. Extra accessories (strips, bolts, etc.) are provided. If any replacement units are needed, they will be at the contractor's expense. Delivery time for replacement materials is 10 to 14 days. Contractors may use a local supplier if the material meets Reinforced Earth specifications.

## Backfill

1. It is the contractor's responsibility to furnish Certificate of Compliance that the select granular backfill is within the Reinforced Earth specifications. Backfill compliance shall be maintained throughout the duration of the project. Plus, periodic gradation tests are recommended, especially when the backfill appears to be changing in color or texture.
2. Compaction is essential. Each lift must be compacted to the specified density.
3. Normal lift thickness is between 8-12 inches depending on the type of material.
4. Keep all heavy equipment out of the 3' – 4' buffer zone behind the wall.
5. Compact buffer zone last, after compacting the backfill lift from 3' to the end of the strips. Refer to Construction Manual.
6. Backfill on front face of wall as soon as possible, to cover level pad.
7. Each day grade or slope the backfill to allow proper drainage away from the wall. Avoid ponding next to wall.
8. After heavy rains, keep equipment off wall until backfill has drained properly. Heavy loads on wet backfill will create a pumping action which can result in wall movement.
9. Rubber tires are permitted on restrips. Metal tracks must stay off! Six inches of backfill cover on restrips is needed for dozer to operate.
10. Never cut or in any way alter restrips. Strips may be skewed around structures located in granular backfill. Skewing should be limited to 15 degrees from the perpendicular. Notify Reinforced Earth for approval of this operation.
11. Loose backfill shall be graded to a level of 2" above the tie strip location.
12. Backfill shall be placed to the top of wall and full length of strip unless otherwise authorized by The Reinforced Earth Company.